

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051520\  
 Data File : BM026008.D  
 Acq On : 16 May 2020 04:55  
 Operator : MA/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02060

Manual Integrations  
 APPROVED

Sohil  
 5/18/2020 10:00:29 AM

Quant Time: May 16 05:46:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 15 12:17:41 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 156909   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.27 | 136  | 636084   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.15 | 164  | 372706   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.90 | 188  | 786994   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.09 | 240  | 836603   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.22 | 264  | 882803   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 36966  | 7.11  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.69  | 99  | 292863 | 20.57 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.85  | 67  | 203846 | 20.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.04  | 132 | 215129 | 19.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.22  | 113 | 220013 | 20.51 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.65  | 128 | 103317 | 19.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.36  | 143 | 104033 | 20.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.90  | 165 | 204245 | 19.83 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.41 | 131 | 253952 | 24.31 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.57 | 166 | 582049 | 19.47 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.83 | 160 | 696878 | 19.68 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.36 | 143 | 109649 | 20.72 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.15 | 176 | 502505 | 19.33 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200 | 86732  | 18.90 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.00 | 188 | 755776 | 19.49 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.29 | 212 | 843169 | 19.62 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.09 | 264 | 924457 | 19.67 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.11  | 88  | 40981  | 7.582  | ng/uL 94  |
| 4) Benzaldehyde                | 6.66  | 77  | 212791 | 22.973 | ng/ul 95  |
| 6) Phenol                      | 6.72  | 94  | 321116 | 20.125 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 6.95  | 93  | 251092 | 20.452 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.07  | 128 | 235066 | 19.357 | ng/ul 98  |
| 11) 2-Methylphenol             | 7.95  | 108 | 226576 | 20.609 | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.04  | 45  | 467808 | 20.992 | ng/ul 99  |
| 14) Acetophenone               | 8.32  | 105 | 369761 | 20.546 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.31  | 70  | 210139 | 19.815 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.28  | 108 | 245735 | 20.553 | ng/ul 99  |
| 17) Hexachloroethane           | 8.57  | 117 | 100851 | 19.358 | ng/ul 98  |
| 20) Nitrobenzene               | 8.69  | 77  | 313509 | 19.685 | ng/ul 98  |
| 21) Isophorone                 | 9.22  | 82  | 525951 | 19.855 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.39  | 139 | 119336 | 20.014 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.47  | 107 | 275290 | 19.326 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.70  | 93  | 321754 | 19.258 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.92  | 162 | 208583 | 19.527 | ng/ul 98  |
| 28) Naphthalene                | 10.32 | 128 | 733590 | 18.863 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.43 | 127 | 261040 | 23.922 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.62 | 225 | 136550 | 19.052 | ng/ul 98  |
| 32) Caprolactam                | 11.19 | 113 | 61906m | 20.838 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.57 | 107 | 242748 | 19.622 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 11.94 | 142 | 502271 | 19.201 | ng/ul 98  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.16 | 142  | 465525   | 19.182 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.32 | 216  | 254207   | 19.029 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.30 | 237  | 150156   | 19.498 | ng/ul | 100      |
| 39) 2,4,6-Trichlorophenol      | 12.57 | 196  | 157640   | 20.284 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.63 | 196  | 170144   | 19.839 | ng/ul | 100      |
| 41) 1,1'-Biphenyl              | 12.97 | 154  | 633030   | 19.141 | ng/ul | 100      |
| 42) 2-Chloronaphthalene        | 13.01 | 162  | 483757   | 18.956 | ng/ul | 98       |
| 43) 2-Nitroaniline             | 13.22 | 65   | 178942   | 20.804 | ng/ul | 97       |
| 45) Dimethylphthalate          | 13.62 | 163  | 595339   | 18.972 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.73 | 165  | 119385   | 20.735 | ng/ul | 98       |
| 48) Acenaphthylene             | 13.86 | 152  | 759173   | 19.529 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.06 | 138  | 115849   | 22.605 | ng/ul | 99       |
| 50) Acenaphthene               | 14.21 | 153  | 525177   | 19.156 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.27 | 184  | 56755    | 17.932 | ng/ul | 94       |
| 53) 4-Nitrophenol              | 14.37 | 109  | 97613    | 20.725 | ng/ul | 97       |
| 54) Dibenzofuran               | 14.55 | 168  | 738070   | 19.156 | ng/ul | 98       |
| 55) 2,4-Dinitrotoluene         | 14.52 | 165  | 172811   | 20.252 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.79 | 232  | 144714   | 20.065 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.00 | 149  | 608275   | 19.604 | ng/ul | 99       |
| 59) Fluorene                   | 15.20 | 166  | 605353   | 19.423 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.21 | 204  | 298099   | 19.166 | ng/ul | 97       |
| 61) 4-Nitroaniline             | 15.22 | 138  | 136351   | 21.297 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.29 | 198  | 95690    | 19.807 | ng/ul | 94       |
| 65) N-Nitrosodiphenylamine     | 15.42 | 169  | 515525   | 19.545 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.10 | 248  | 179447   | 19.580 | ng/ul | 96       |
| 67) Hexachlorobenzene          | 16.22 | 284  | 198714   | 19.284 | ng/ul | 99       |
| 68) Atrazine                   | 16.39 | 200  | 178609   | 20.678 | ng/ul | 100      |
| 69) Pentachlorophenol          | 16.56 | 266  | 112023   | 19.739 | ng/ul | 98       |
| 70) Phenanthrene               | 16.94 | 178  | 947631   | 19.116 | ng/ul | 99       |
| 72) Anthracene                 | 17.03 | 178  | 961057   | 19.323 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.93 | 216  | 253958   | 19.319 | ng/ul | 99       |
| 74) Pentachlorobenzene         | 14.47 | 250  | 236966   | 19.001 | ng/ul | 99       |
| 75) Carbazole                  | 17.30 | 167  | 864216   | 21.004 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 17.89 | 149  | 986903   | 20.027 | ng/ul | 99       |
| 77) Fluoranthene               | 18.96 | 202  | 1086444  | 20.893 | ng/ul | 100      |
| 80) Pvrene                     | 19.32 | 202  | 1147908  | 19.545 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 20.25 | 149  | 432382   | 20.799 | ng/ul | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.02 | 252  | 329005   | 21.475 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.08 | 228  | 1123242  | 19.479 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 666226   | 20.674 | ng/ul | 99       |
| 85) Chrysene                   | 21.13 | 228  | 1107185  | 19.317 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 21.89 | 149  | 1115297  | 20.102 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.59 | 252  | 1146402  | 19.199 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.63 | 252  | 1149722  | 19.277 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.13 | 252  | 1018500  | 19.381 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.30 | 276  | 1315476  | 19.288 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.31 | 278  | 1105973  | 19.150 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 25.94 | 276  | 1084189  | 19.046 | ng/ul | 99       |

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|--------------------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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